ABSTRACT OF THE DISCLOSURE

The invention relates to: 4-methylene-1,3-dioxolanes of the general formula (I)

5

$$X = \left(O\right)_{m} \left(CH_{2}\right)_{n} CH_{2} CH_{2}$$

$$O CH_{2$$

wherein R1 denotes hydrogen, $C_5-C_6-cycloalkyl$ or $C_1-C_4-cycloalkyl$ alkyl; m and n, which may be the same or different, denote 0 or 1, whereby $m \le n$, o denotes 2, 3 or 4 depending on 10 the valency of the group X; and X denotes a C-C single bond, straight-chain or branched C_1-C_{18} -alkylene, C_5-C_6 cycloalkylene, C_8-C_{18} -arylalkylene, $-CH_2(OCH_2CH_2)_pOCH_2-$, - $\mathrm{CH_2}\left(\mathrm{OCH}\left(\mathrm{CH_3}\right)\mathrm{CH_2}\right)_{\mathrm{p}}\mathrm{OCH_2}\text{-,}$ wherein p is an integer from 0 to 100; a process for their production; and intermediate 15 products used. Moreover, compositions capable of emissionfree, photocationic cross-linking, which comprise 4methylene-1,3-dioxolanes of the general formula (I) and their use for the production of solvent-resistant and 20 transparent films.